BLÜCHER® Drain

Product catalogue for floor drains

BLÜCHER®

KEEPING UP THE FLOW

STAINLESS STEEL DRAINAGE SYSTEMS

The Company

BLÜCHER UK Ltd was founded in 1978 as the first overseas BLÜCHER subsidiary. Considered pioneers in the manufacture of stainless steel drainage products for the food, beverage and chemical industries, BLÜCHER was established in 1965 in Vildbjerg, Denmark. Today BLÜCHER currently employs over 330 staff worldwide. Due to an increased global demand for BLÜCHER products recent investments have taken place in 'state of the art' laser cutting and CAD/CNC technology, in addition to large extensions to the manufacturing facility, central stock and administration block.

Products and Applications

Initially BLÜCHER products were used where the hygienic and corrosion resistance properties of stainless steel were considered essential. Today however, the products are installed within almost any type of construction project, whether new build or renovation. The commitment to product development coupled with the emphasis that is placed on continually improving manufacturing efficiency allows BLÜCHER to deliver cost effective drainage solutions suited to installations with a design life of more than 50 years.

The extensive standard product range includes:

BLÜCHER® DOMESTIC Floor Drains

A comprehensive range of light to medium duty floor drains developed for use with tiled or flexible sheet surface finishes. Increasingly used within »wet bathrooms« where the floor drain replaces a traditional and often problematic shower tray.

BLÜCHER® INDUSTRIAL Floor Drains

An extensive range of medium to heavy duty floor drains developed to satisfy the requirements of demanding applications such as food / beverage production, chemical and pharmaceutical plants.

BLÜCHER® CHANNEL Linear Drainage

A modular floor drainage system to suit most floor surface finishes with a range of complementary accessories (gratings, removable traps, filter baskets etc.) to suit varying load bearing and flow demands.

BLÜCHER® EUROPIPE Drainage Pipe and Fittings

A technically advanced metallic soil, waste and rainwater pipework system developed to provide the highest standards of component performance combined with ease and speed of installation.

A recent study conducted by the Building Services Research and Information Association (BSRIA) has proven BLÜCHER® EuroPipe to offer substantial overall cost savings when compared to traditional methods.

Additional products available include:

- Grease Separators
- Access Covers

In 1991 BLÜCHER became one of the first companies in Denmark to be awarded ISO 9001 certification. All products are therefore manufactured under the most stringent of quality assurance systems.

CONTENTS

BLÜCHER® Drain

BLÜCHER® Drain Industrial

BLÜCHER Access Covers

BLÜCHER Grease Separators

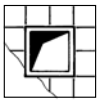
Please note some products shown in this catalogue are not classed as standard stock items and are produced on short lead times.
These products are not usually returnable as are large quantities of individual standard product lines.
Any products which are accepted back for return must be in prime condition and in the original packing and will be subject to a re-stocking charge.

BLÜCHER® Drain

BLÜCHER Domestic® is a comprehensive range of light to medium duty floor drains developed for use within shower and washdown areas and suitable for tiled or flexible sheet (e.g. vinyl) floor surface finishes.

With their aesthetic qualities, durability and accessibility for cleaning, BLÜCHER Domestic® Floor Drains are increasingly used within continental style 'wet bathrooms' where the floor drain replaces a traditional and often problematic shower tray.

BLÜCHER products are manufactured from a catalogue of standard components. These can be combined to produce numerous variations. If you can not find the precise floor drainage product you require please do not hesitate to contact our technical services department.



Square frame for concrete or tiled floors – this frame profile is suitable for use within concrete floors with or without tiles

Circular frame for flexible sheet flooring – this "vinyl lock" frame profile has been designed to mechanically clamp into place flexible sheet flooring (2 – 4mm thick)

Domestic features:


Height adjustable


Fully rotational upper part


Levelling adjustment (10 °)


Accepts removable water trap

Side inlet connections (3No.)

Loading classes:

The following classifications are designed to give a simplified indication as to the suitability of the gratings in service.


Barefoot area - e.g. shower areas, changing rooms

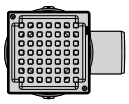

Pedestrian traffic - e.g. kitchens, supermarkets


Pallet trucks, trolleys - e.g. light industry

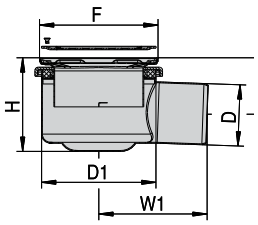

Delivery vans, lorries - e.g. industry, factories


Fork-lift trucks - e.g. heavy industry

Floor Drains

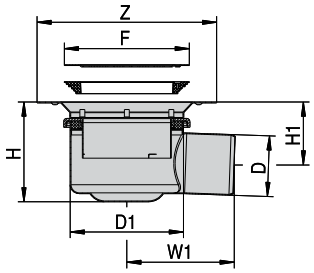


TYPE 110.300

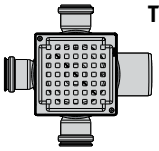


Type No.	D	D1	F	H	H1	W1
110.300.050	50	140	145	115-145	81-111	128
110.300.075	75	140	145	115-145	69-99	133

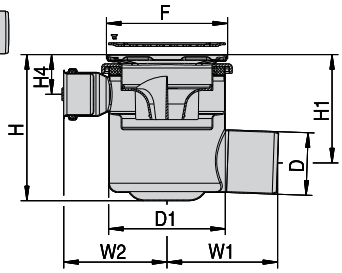
TYPE 210.300



Type No.	D	D1	G	Z	H	H1	W1
210.300.050	50	140	155	222	123-153	90-120	128
210.300.075	75	140	155	222	123-153	78-108	133

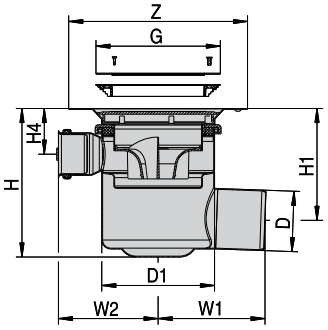


TYPE 111.303



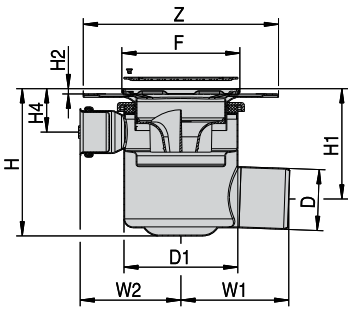
Type No.	D	D1	F	H	H1	H4	W1	W2
111.303.075	75	140	145	175-185	130-140	48-58	133	124

TYPE 211.303



Type No.	D	D1	G	Z	H	H1	H4	W1	W2
211.303.075	75	140	155	222	183-193	139-149	57-67	133	124

TYPE 311.303



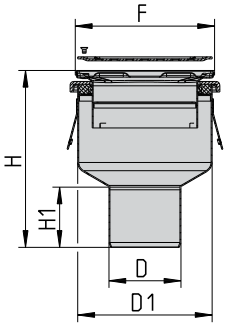
Type No.	D	D1	F	Z	H	H1	H2	H4	W1	W2
311.303.075	75	140	145	240	181-211	136-166	7-21	53-83	133	124

Measurements in mm

Where AISI316L stainless steel is required add suffix S to type no.

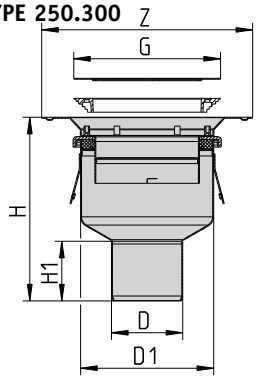
Floor Drains

TYPE 150.300

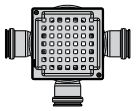


Type No.	D	D1	H	H1	F
150.300.110	110	140	152-182	79	145
150.000.075	75	140	185-215	63	145
150.300.050	50	140	189-219	58	145

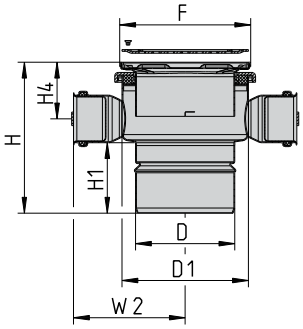
TYPE 250.300



Type No.	D	D1	G	Z	H	H1
250.300.110	110	140	155	222	161-191	79
250.300.075	75	140	155	222	193-223	63
250.300.050	50	140	155	222	197-227	58

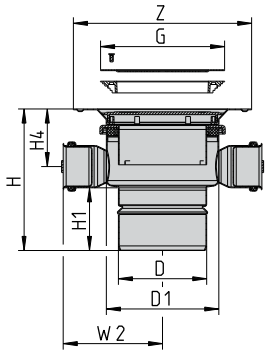


TYPE 151.303.110



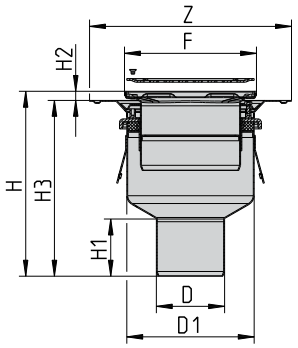
Type No.	D	D1	F	H	H1	H4	W2
151.303.110	110	140	145	167-197	79	63-93	124

TYPE 251.303.110



Type No.	D	D1	G	Z	H	H1	H4	W2
251.303.110	110	140	155	222	176-206	79	72-102	124

TYPE 352.300



Type No.	D	D1	F	Z	H	H1	H2	H3
352.300.110	110	140	145	222	171-226	79	10-50	161-176
352.300.075	75	140	145	222	203-258	63	10-50	193-208

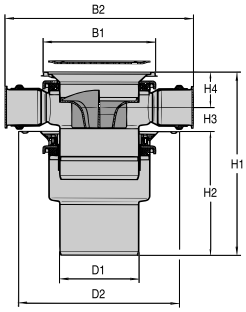
Measurements in mm

Where AISI316L stainless steel is required add suffix S to type no.

For a complete range of BLÜCHER drainage products please visit our web site at www.blucher.com
Any Non Standard fittings or Special fabrications can be made on request.

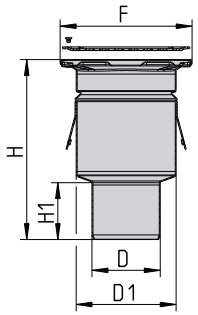
Floor Drains

TYPE 353.303.110



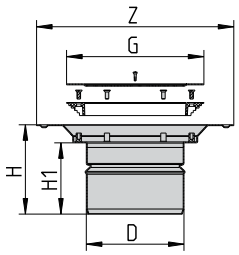
Type No.	D1	D2	B1	B2	H1	H2	H3	H4
353.303.110	110	222	155	260	251-314	171-186	31-68	50-60

TYPE 160.300

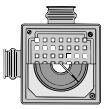


Type No.	D	F	H	D1	H1
160.300.110	110	145	91	110	79
160.300.075	75	145	198	110	63
160.300.050	50	145	193	110	60

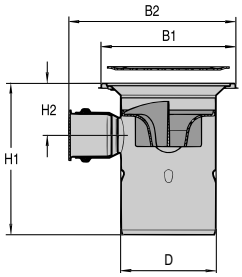
TYPE 260.300



Type No.	D	D1	G	Z	H	H1
260.300.110	110	110	155	222	101	80
260.300.075	75	110	155	222	208	63
260.300.050	50	110	155	222	203	60

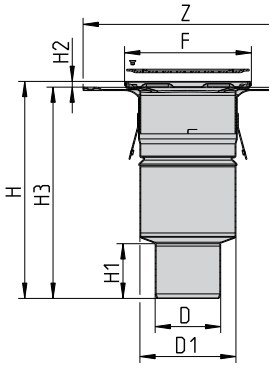


TYPE 161.303.110



Type No.	D	D1	F	Z	H	H1	H2	H3
161.303.110	110	140	145	222	171-226	79	10-50	161-176

TYPE 360.300



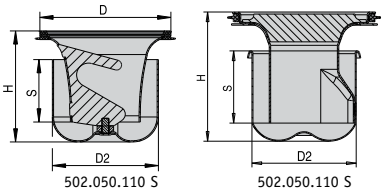
Type No.	D	D1	Z	F	H	H1	H2	H3
360.300.110	110	110	240	145	142-157	-	6-21	135
360.300.075	75	110	240	145	249-264	63	6-21	242
360.300.050	50	110	240	145	244-259	60	6-21	237

Measurements in mm

Where AISI316L stainless steel is required add suffix S to type no.

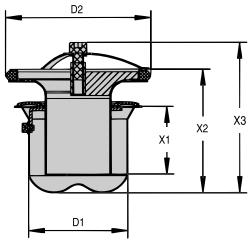
Removable Water Trap

TYPE 502.XXX.110 S



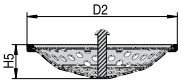
Type No.	D	D2	S	H	Flow
502.050.110 S	108	85	50	89	1.4 - 1.7 ltr./sec.
502.052.110 S	-	75	52	93	0.9 - 1.2 ltr./sec.

TYPE 503.000.110 S



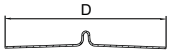
Type No.	D1	D2	X1	X2	X3	Flow
503.000.110 S	75	108	51	93	113	0.9 - 1.2 ltr./sec.

TYPE 502.000.000



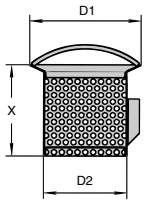
Type No.	D2	H5	Hole size
502.000.000	106	24	5

TYPE 501.000 – Filter Screen



Type No.	Suitable for	D
501.000.000.05 S	502.052.110 S	108

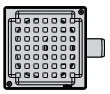
TYPE 780.107.110.05 S

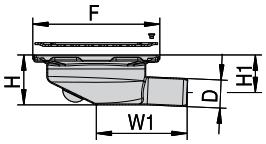


Type No.	Suitable for	D1	D2	X
780.107.110.05 S	110 - 111 - 150 - 151 - 160 - 161 - 210 - 211 - 250 - 251 - 260 - 261 - 310 - 311 - 350 - 351 - 360 - 361 - 312 - 313 - 352 - 353	107	80	88

Mini Drains

TYPE 181.300.032

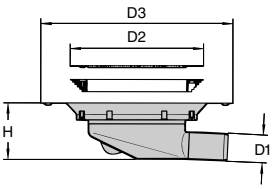




Type No.	D	H	H1	F	W1
181.300.032*	32/40	57	43	145	104

*Note
This drain comes with rubber adaptor
to fit into 1.½" plastic waste pipes

TYPE 281.300.032



Type No.	H	D1	D2	D3
281.300.032	65	32*	155	222

*Note
This drain comes with rubber adaptor
to fit into 1.½" plastic waste pipes

Measurements in mm

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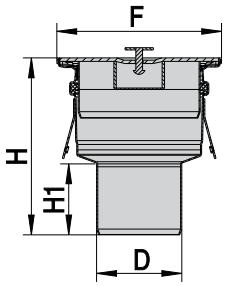
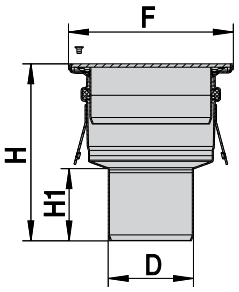
Rodding Eye Points

TYPE 144 – Pull Nipple



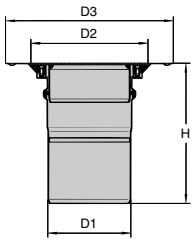
Type No.	D	H	H1	F
144.200.160 S	160	159	-	200
144.150.110 S	110	120	-	145
144.150.075 S	75	156	63	145

TYPE 144 – Screw Fixed



Type No.	D	H	H1	F
144.205.160 S	160	159	-	200
144.155.110 S	110	120	-	145
144.155.075 S	75	156	63	145

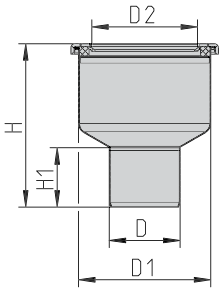
TYPE 244



Type No.	D1	D2	D3	H
244.155.110	110	155	222	185
244.150.110 (not illustrated)	110	155	222	185

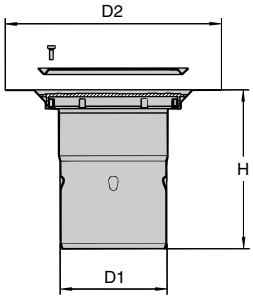
Lower Parts

TYPE 150.000 – Reducer



Type No.	D	D2	D1	H	H1
150.000.110 S	110	113	140	141	79
150.000.075 S	75	113	140	173	63
150.000.050 S	50	113	140	177	58

TYPE 440.226 – Membrane Flange



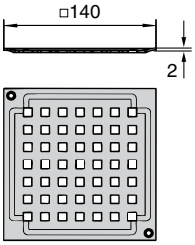
Type No.	D1	D2	H
440.226.110	110	222	164

Measurements in mm

Where AISI316L stainless steel is required add suffix S to type no.

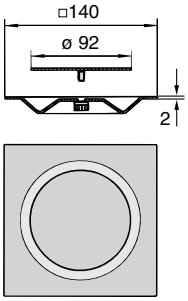
Gratings

GRATING - 2 mm screw lock



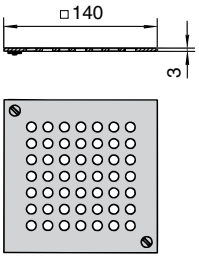
Type No.	Suitable for
610.155.421	110 - 111 - 140 - 150 - 151 - 160 - 161 - 181 - 310 - 311 - 312 - 313 - 350 - 351 - 352 - 353 360 - 361 - 381

GRATING - 2 mm '0' grating



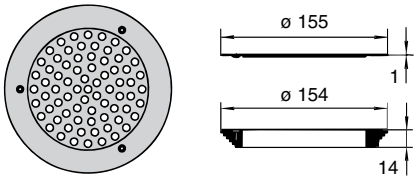
Type No.	Suitable for
610.155.521	110 - 111 - 140 - 150 - 151 - 160 - 161 - 181 - 310 - 311 - 312 - 313 - 350 - 351 - 352 - 353 360 - 361 - 381

GRATING - 3 mm screwlock



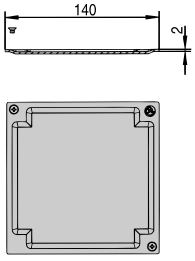
Type No.	Suitable for
610.155.425	110 - 111 - 140 - 150 - 151 - 160 - 161 - 181 - 310 - 311 - 312 - 313 - 350 - 351 - 352 - 353 360 - 361 - 381

GRATING - 1 mm screw lock with vinyl clamping device



Type No.	Suitable for
620.300.002	210 - 211 - 240 - 250 - 251 - 260 - 261 - 281

BLANK PLATE COVER



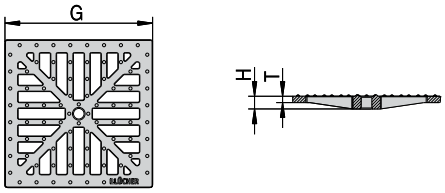
Type No.	Suitable for
610.150.421 BP	110 - 111 - 140 - 150 - 151 - 160 - 161 - 181 - 310 - 311 - 312 - 313 - 350 - 351 - 352 - 353 360 - 361 - 381

Measurements in mm

Where AISI316L stainless steel is required add suffix S to type no.

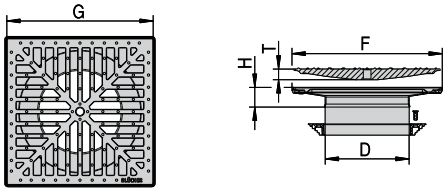
Cast Gratings

TYPE 610.155.50X



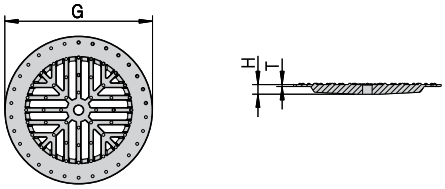
Type No.	G	H	T	Load class	Screws
610.155.500	140x140	12	6	L 3000 kg	0
610.155.501	140x140	12	6	L 3000 kg	2

TYPE 650.200.X07



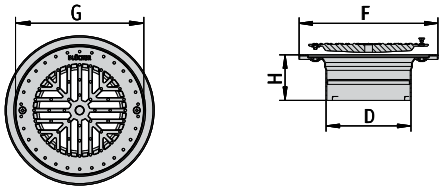
Type No.	D	F	G	H	T	Load class	Screws
650.200.007	110	197x197	192x192	26	14	L 3000 kg	0
650.200.107	110	197x197	192x192	26	14	L 3000 kg	2

TYPE 620.155.50X



Type No.	G	H	T	Load class	Screws
620.155.500	155	10	2	L 3000 kg	0
620.155.501	155	10	2	L 3000 kg	2

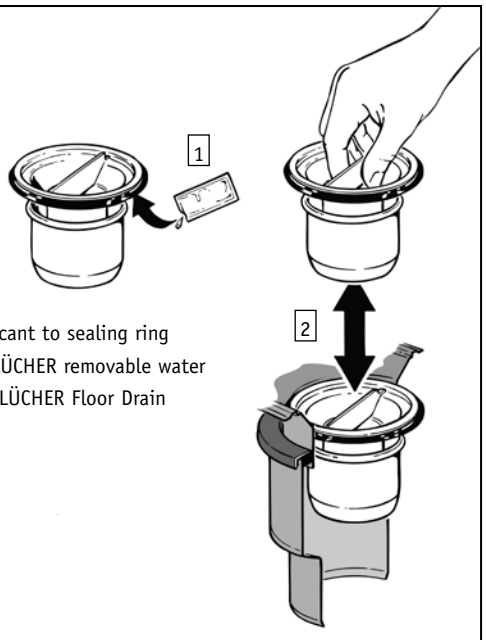
TYPE 150.320.100



Type No.	D	G	F	H	Load class	Screws
150.320.100	110	155	180	59	L 3000 kg	2

Installation Details

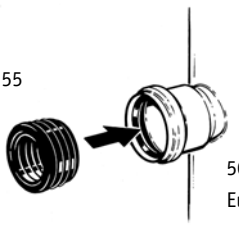
Removable Water Trap



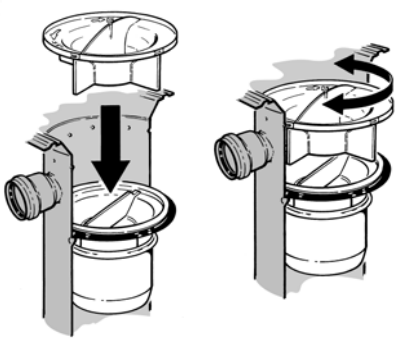
1. Apply lubricant to sealing ring
2. Push-fit BLÜCHER removable water trap into BLÜCHER Floor Drain

Side Inlet Connection

W58 for 1 1/4" waste
W59 for 1 1/2" waste
to either BS 5254 or BS 5255

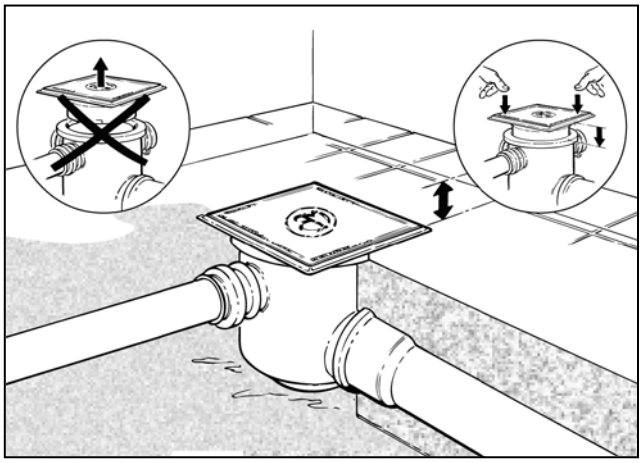


50 mm Europipe socket

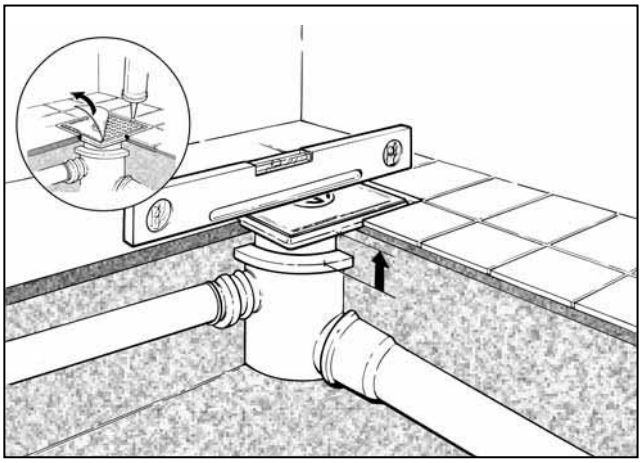


Installation Details

Tiled/In-situ floors

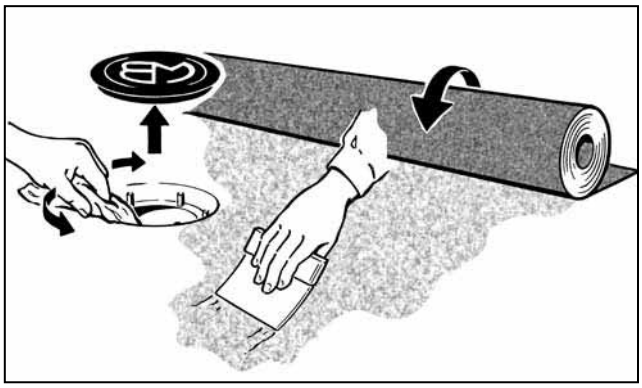


1. Set drain at finished floor level taking care concrete/bedding material does not impair seal on height adjustable variants. Connect any side inlets.

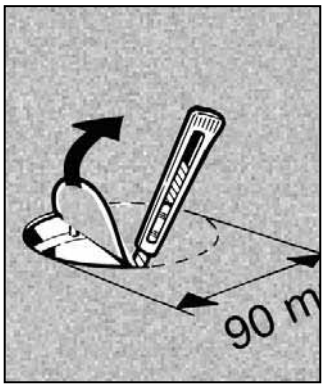


2. Adjust position of upper part to tile course. Apply joint sealant between floor finish and frame. Remove protective cover.

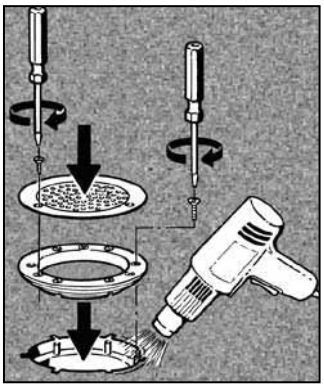
Flexible Sheet Flooring



1. Remove protective plastic cover
2. Wipe clean
3. Apply manufacturers recommended adhesive (e.g. Altrofix 19)
4. Apply sheet material

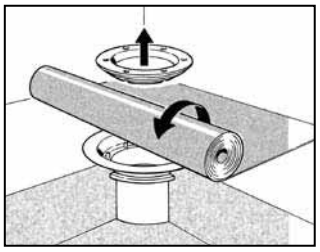


5. Cut hole in sheet material and notch around studs

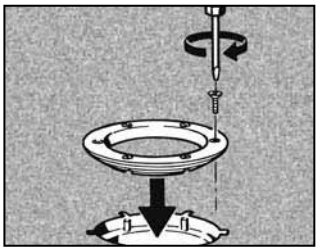


6. Heating of the material may be necessary
7. Fit nylon clamping ring with countersunk screw provided
8. Trim excess vinyl material
9. Fit stainless steel grating with self tapping screws provided

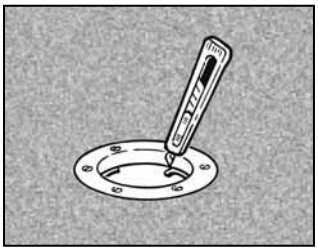
Damp Proof Membrane



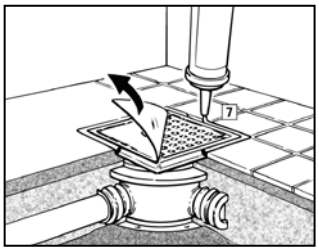
1. Remove nylon clamping ring. Lay damp proof membrane (dpm)



2. Cut hole in dpm and notch around studs. Refit nylon clamping ring



3. Cut out dpm inside the clamping ring

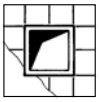


4. Install appropriate BLÜCHER Floor Drain
5. Apply silicone sealant (tiled applications). Remove protective film after building work is complete

BLÜCHER® Drain Industrial

BLÜCHER Industrial® is an extensive range of medium to heavy duty floor drains developed for use within demanding load and flow application areas such as Food processing, Chemical/Pharmaceutical production, Dairies, Breweries, commercial kitchens and other hygiene sensitive and corrosive washdown areas. Suitable for tiled, in-situ (e.g. epoxy resin) and flexible sheet (e.g. vinyl) floor surface finishes

BLÜCHER products are manufactured from a catalogue of standard components. These can be combined to produce numerous variations. If you can not find the precise floor drainage product you require please do not hesitate to contact our technical services department.



Square frame for concrete or tiled floors – this frame profile is suitable for use within concrete floors with or without tiles

Circular frame for in-situ floors – this frame profile has been developed to eliminate stress cracking at the interface between floor finish and floor drain in high load application areas

Circular frame for flexible sheet flooring – this "vinyl lock" frame profile has been designed to mechanically clamp into place flexible sheet flooring (2 – 4mm thick).

Industrial features:

Height adjustable

Fully rotational upper part

Accepts removable water trap

Loading classes:
The following classifications are designed to give a simplified indication as to the suitability of the gratings in service.

Barefoot area - e.g. shower areas, changing rooms

Pedestrian traffic - e.g. kitchens, supermarkets

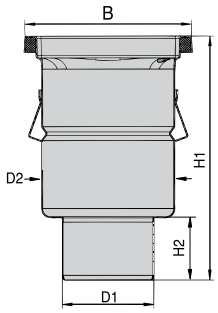
Pallet trucks, trolleys - e.g. light industry

Delivery vans, lorries - e.g. industry, factories

Fork-lift trucks - e.g. heavy industry

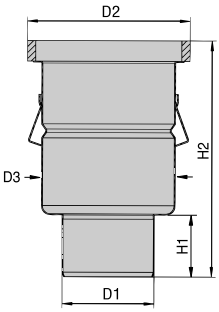
One-part Floor Drains

TYPE: 760.40



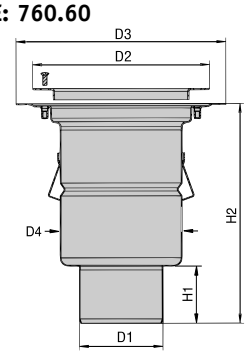
Type No.	Flow Rate	D1	D2	H1	H2	B
760.402.110	3.0 L/s	110	160	294	75	200
760.401.110	3.0 L/s	110	160	297	76	250
760.403.110	5.7 L/s	110	260	340	75	300
760.403.160	5.7 L/s	160	260	360	95	300

TYPE: 760.50



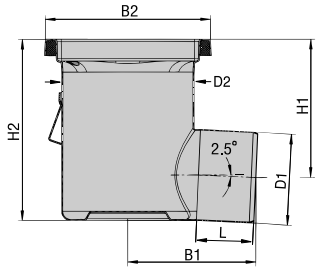
Type No.	Flow Rate	D1	D2	D3	H1	H2
760.502.110	3.0 L/s	110	195	160	75	285
760.503.110	5.7 L/s	110	295	260	75	326
760.503.160	5.7 L/s	160	295	260	95	346

TYPE: 760.60



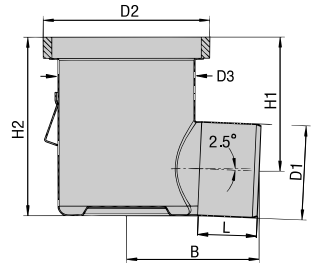
Type No.	Flow Rate	D1	D2	D3	D4	H1	H2
760.602.110	3.0 L/s	110	232	275	160	75	289
760.603.110	5.7 L/s	110	332	375	260	75	335
760.603.160	5.7 L/s	160	332	375	260	95	355

TYPE: 763.40



Type No.	Flow Rate	D1	D2	H1	H2	B1	B2	L
763.402.110	2.8 L/s	110	160	167	219	155	200	70
763.401.110	2.8 L/s	110	160	169	221	156	250	70
763.403.110	5.7 L/s	110	260	193	245	205	300	70
763.403.160*	5.7 L/s	160	260	177-220	245	336	300	93

TYPE: 763.50



Type No.	Flow Rate	D1	D2	D3	H1	H2	B	L
763.502.110	2.8 L/s	110	195	160	157	209	155	70
763.503.110	5.7 L/s	110	295	260	176	228	205	70
763.503.160*	5.7 L/s	160	295	260	160-203	228	336	93

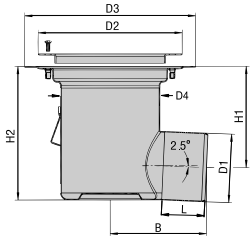
** Through use of adaptor type no. 850.110.160*

Measurements in mm

Where AISI316L stainless steel is required add suffix S to type no.

For a complete range of BLÜCHER drainage products please visit our web site at www.blucher.com
Any Non Standard fittings or Special fabrications can be made on request.

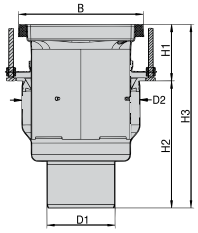
TYPE: 763.60



Type No.	Flow Rate	D1	D2	D3	D4	H1	H2	B	L
763.602.110	2.8 L/s	110	232	275	160	162	214	155	70
763.603.110	5.7 L/s	110	332	375	260	188	240	205	70
763.603.160*	5.7 L/s	160	332	375	260	172-215	240	336	93

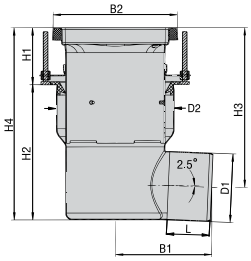
Height Adjustable Floor Drains

TYPE: 740.40

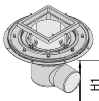


Type No.	Flow Rate	D1	D2	H1	H2	H3	H4	B
740.402.110	3.0 L/s	110	190	91-151	205	296-356	75	200
740.403.110	5.7 L/s	110	293	91-151	250	341-401	75	300
740.403.160	5.7 L/s	160	293	91-151	270	361-421	95	300

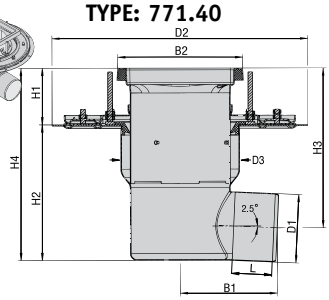
TYPE: 743.40



Type No.	Flow Rate	D	D2	H1	H2	H3	H4	B1	B2	L
743.402.110	2.8 L/s	110	190	91-151	217	256-316	308-368	155	200	70
743.403.110	5.7 L/s	110	293	91-151	222	261-321	313-373	205	300	70
743.403.160*	5.7 L/s	160	293	91-151	222	245-348	313-373	336	300	93

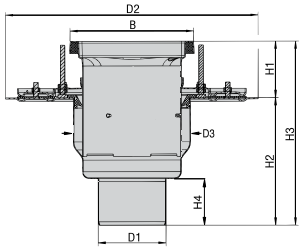


TYPE: 771.40



Type No.	Flow Rate	D1	D2	D3	H1	H2	H3	H4	B1	B2	L
771.402.110	2.8 L/s	110	409	190	91-151	217	256-316	308-368	155	200	70
771.403.110	5.7 L/s	110	507	293	91-151	222	261-321	313-373	205	300	70
771.403.160*	5.7 L/s	160	507	293	91-151	222	245-348	313-373	336	300	93

TYPE: 775.40



Type No.	Flow Rate	D1	D2	D3	H1	H2	H3	H4	B
775.402.110	3.0L/S	110	409	190	91-151	205	296-356	75	200
775.403.110	5.7L/S	110	507	293	91-151	250	341-401	75	300
775.403.160	5.7L/S	160	507	293	91-151	270	361-421	95	300

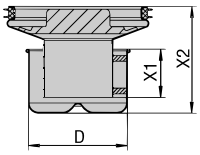
** Through use of adaptor type no. 850.110.160*

Measurements in mm

Where AISI316L stainless steel is required add suffix S to type no.

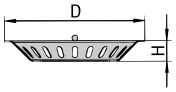
Water Traps and Filter Baskets

TYPE: 562.00



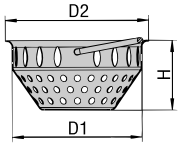
Type No.	Flow Rate	D	X1	X2
562.002.000 S	2.8 to 3.3 l/s	107	52	115
562.003.000 S	3.0 to 7.8 l/s	197	52	128

TYPE: 780.00



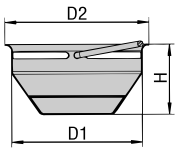
Type No.	D	H	Vol.
780.002.001.05 S	150	22	0.2l
780.003.001.05 S	249	16	0.5l

TYPE: 780.00



Type No.	D1	D2	H	Vol.
780.002.000.05 S	140	155	74	0.9l
780.003.000.05 S	238	253	75	2.8l

TYPE: 780.00



Type No.	D1	D2	H	Vol.
780.002.000.00	140	155	74	0.6l
780.003.000.00	238	253	75	1.9l

Measurements in mm

Where AISI316L stainless steel is required add suffix S to type no.

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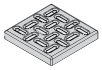
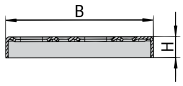
Any Non Standard fittings or Special fabrications can be made on request.

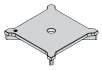
Gratings



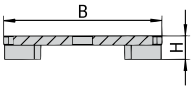
TYPE: 790 – 3mm punched



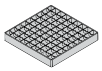
Type No.	Load Class	H	B
790.168.000.03	L 1500 kg	24	168
790.218.000.03	L 1500 kg	24	218
790.268.000.03	L 1500 kg	24	268



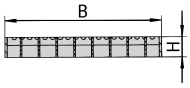
TYPE: 790 – 10mm annular



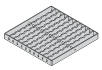
Type No.	Load Class	H	B
790.168.000.10	L 5000 kg	25	170
790.218.000.10	L 5000 kg	25	220
790.268.000.10	L 4000 kg	25	270



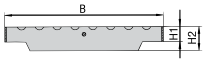
TYPE: 790 – 25mm mesh



Type No.	Load Class	H	B
790.168.000.22	L 1350 kg	25	168
790.218.000.22	L 1350 kg	25	218
790.268.000.22	L 1600 kg	25	268

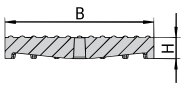


TYPE: 790 – 25mm ladder



Type No.	Load Class	H1	H2	B
790.168.000.25	M 8400 kg	25	25	168
790.218.000.25	M 8400 kg	25	25	218
790.268.000.25	M 8400 kg	25	40	268

TYPE: 790 – 25mm cast



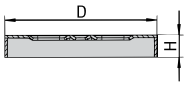
Type No.	Load Class	H	B
790.168.000.60	L 4000 kg	24	170
790.218.000.60	L 4000 kg	24	220
790.268.000.60	L 4000 kg	24	270

Measurements in mm

Where AISI316L stainless steel is required add suffix S to type no.

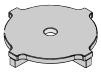
Gratings

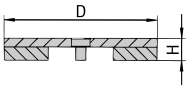
TYPE: 790 – 3mm punched



Type No.	Load Class	D	H
790.173.000.03	L 1000 kg	173	25
790.273.000.03	K 500 kg	273	25

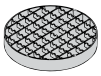
TYPE: 790 – 10mm annular

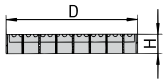




Type No.	Load Class	D	H
790.173.000.10	L 4000 kg	174	25
790.273.000.10	L 6000 kg	274	25

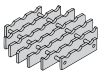
TYPE: 790 – 25mm mesh

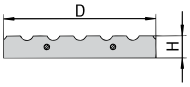




Type No.	Load Class	D	H
790.173.000.22	L 2000 kg	170	25
790.273.000.22	L 1000 kg	270	25

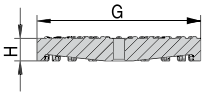
TYPE: 790 – 25mm ladder





Type No.	Load Class	D	H
790.173.000.25	L 5000 kg	173	25
790.273.000.25	L 3000 kg	273	25

TYPE: 790 – 25mm cast



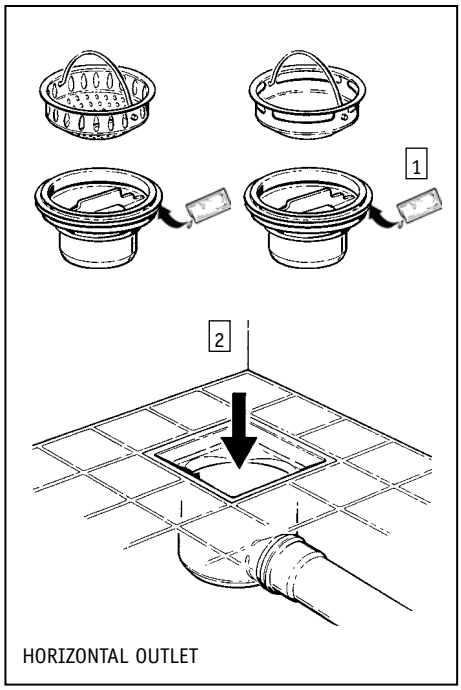
Type No.	Load Class	G	H
790.173.000.60	L 5000 kg	173	24
790.273.000.60	L 3000 kg	273	24

Measurements in mm

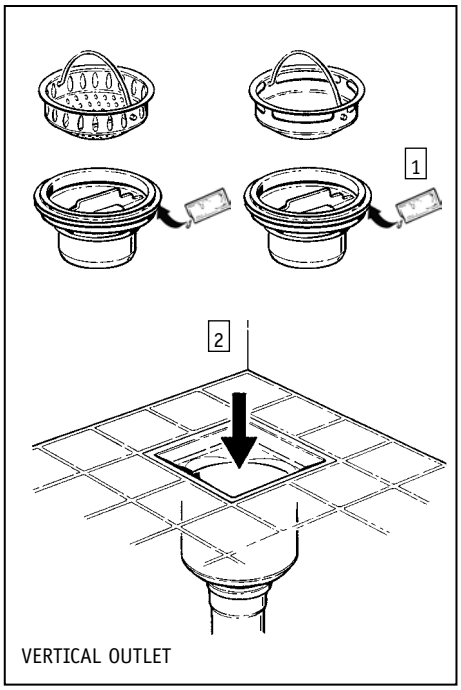
Where AISI316L stainless steel is required add suffix S to type no.

For a complete range of BLÜCHER drainage products please visit our web site at www.blucher.com
Any Non Standard fittings or Special fabrications can be made on request.

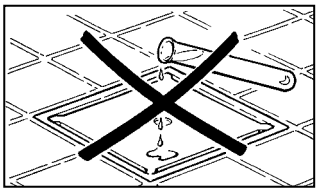
Removable water trap



1. Apply lubricant to sealing ring
2. Push fit water trap into floor drain

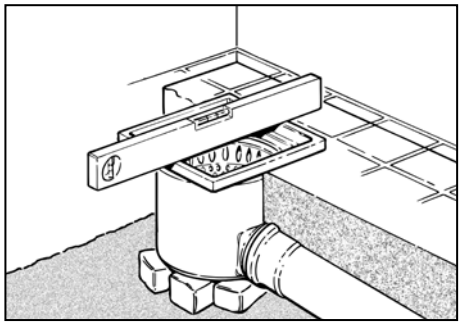


1. Apply lubricant to sealing ring
2. Push fit water trap into floor drain

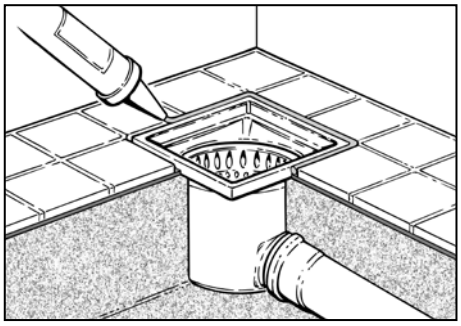


HCL

Tiled Floors

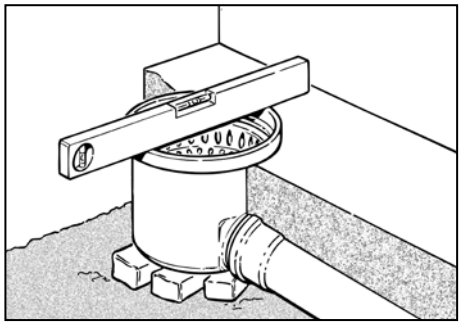


1. Set drain at finished floor level taking care concrete/bedding material does not impair seal on height adjustable variants. Connect any side inlets.

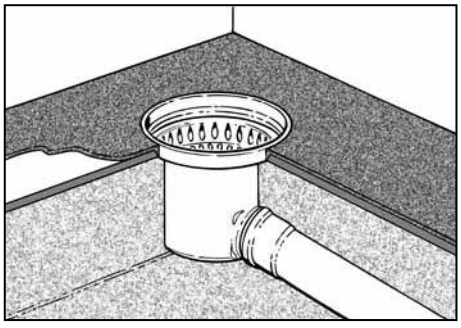


2. Adjust position of upper part to tile course. Apply joint sealant between floor finish and frame.

In-situ Floors

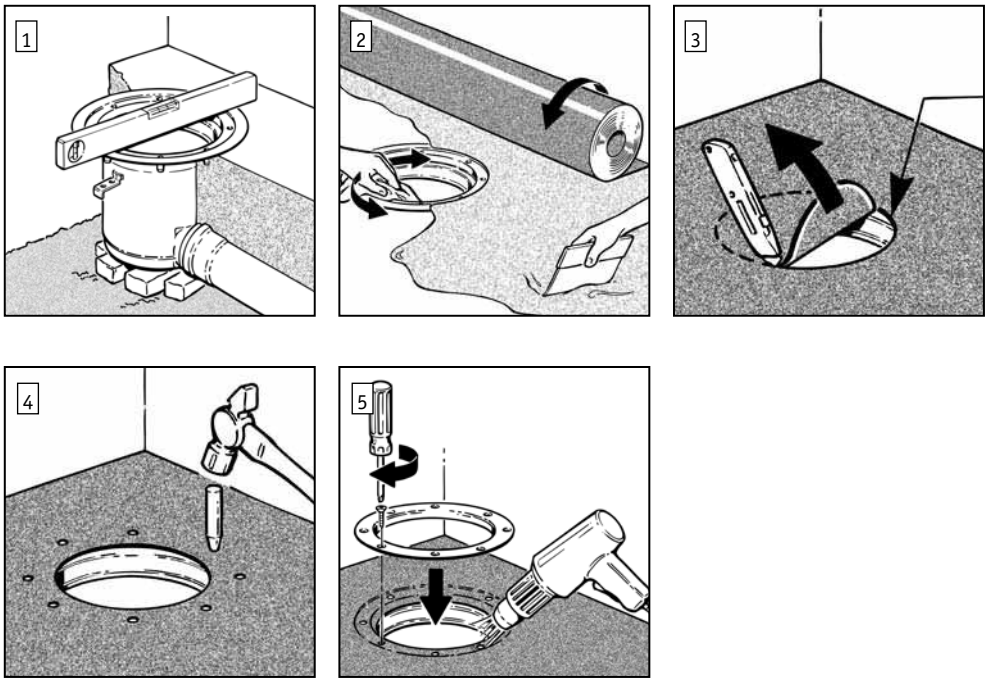


1. Set drain at finished floor level taking care concrete/bedding material does not impair seal on height adjustable variants. Connect any side inlets.



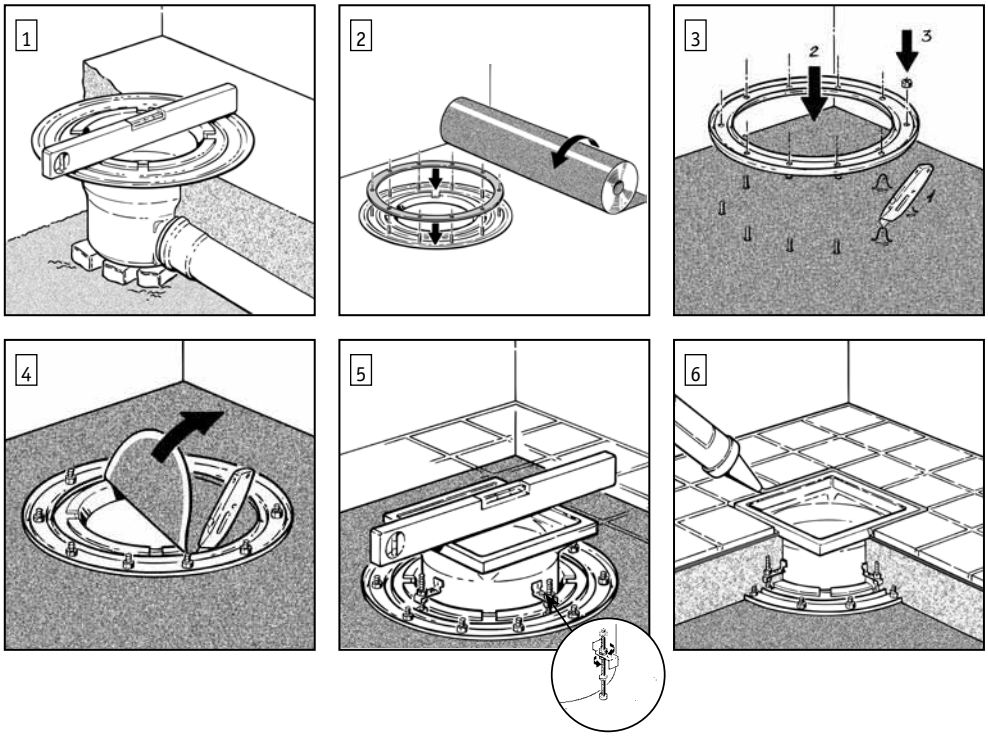
2. Apply joint sealant between floor finish and frame.

Flexible Sheet Flooring



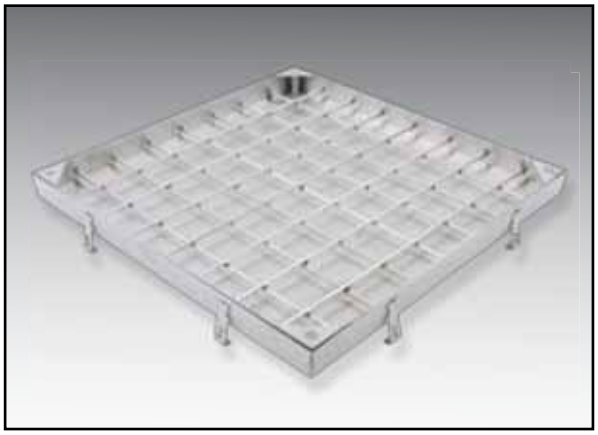
1. Set drain at finished floor level taking care concrete/bedding material does not impair seal on height adjustable variants. Connect any side inlets.
2. Apply manufacturer's recommended adhesive (e.g. Altrofix 19). Apply flexible sheet flooring.
3. Cut hole in flexible sheet flooring.
4. Punch out around studs.
5. Heat flooring if necessary and screw down clamping ring.

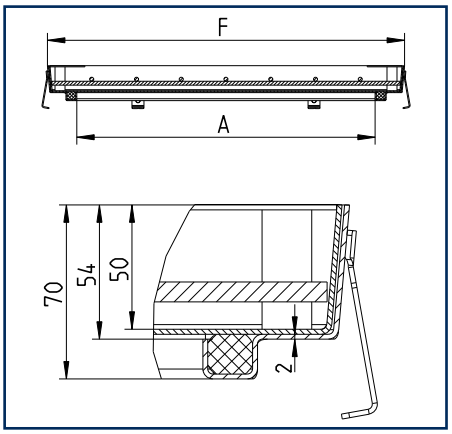
Damp proof membrane



1. Set membrane to required level.
2. Remove clamping ring and roll out the membrane.
3. Cut around threads and apply clamping ring.
4. Cut-out inside the clamping ring.
5. Insert upper-part and set to finished floor level and tile course using height adjustment screws.
6. Apply joint sealant.

BLÜCHER® Drain Industrial





BLÜCHER access covers are produced from 2 mm stainless steel providing a high level of stability and durability.

The tapered design with "lifting eyes" ensure ease of remoal of the lid when access is required.The EPDM ring seal provides an airtight solution tested to 0.5 bar.

The access covers fulfill the standard EN 124. The cover can be mounted/fitted to the frame, and concrete anchors are pre-mounted for safe construction.

Type No.	Dimensions	A	F	Load
792.030.030	300 x 300 mm	300	418	Class B 125 kN

Type No.	Dimensions	A	F	Load
792.040.040	400 x 400 mm	400	518	Class B 125 kN

Type No.	Dimensions	A	F	Load
792.060.060	600 x 600 mm	600	718	Class B 125 kN

Type No.	Dimensions	A	F	Load
792.080.080	800 x 800 mm	800	918	Class B 125 kN

Type No.	Dimensions	A	F	Load
792.1000.1000	1000 x 1000 mm	1000	1118	Class B 125 kN

Grease Separators

Installation Guidelines
BLÜCHER Grease Separators should ideally be placed no further than 6-8 metres from the last fixture discharging into the unit. Provided the falls are adequate, this will reduce the likelihood of grease solidifying in the pipework system before reaching the separator.

Waste from macerators and peelers should not normally be discharged into the separator as this will result in a rapid build up of sludge, necessitating more frequent emptying.

Pipework to and from the separator should have generous falls and have the minimum number of bends possible. Outlet pipework should be as large a diameter as possible and not smaller than the inlet pipework.
Venting of outlet pipework is recommended.

Inlet and outlet connections are compatible with 110mm diameter PVCu and stainless steel Europipe. Standard adapters to other pipework materials (e.g. cast iron, clay) are provided by the respective manufacturers.

BLÜCHER Grease Separators comply with Building Regulations by meeting the requirements of the relevant BS Codes of Practice for Above and Below ground drainage.

Certain cleaning agents (chlorine, bleach etc.) hinder digestion and should not be discharged into the separator.

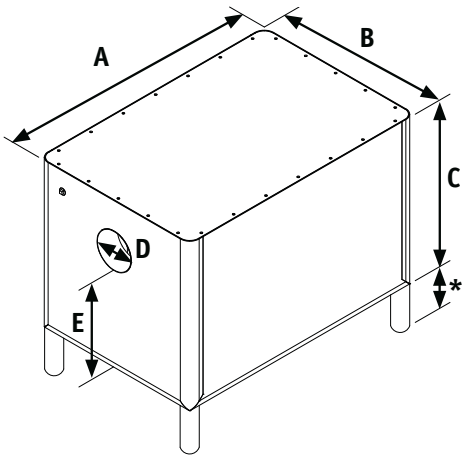
Sizing and Selection
To determine the appropriate size of BLÜCHER Grease Separator the total volume of fixtures discharging into the separator should be calculated.

A. Sinks
Volume of sink (s) CC = Litres 1000

Reduce by 40% to allow for displacement, frequency of discharge etc.

B. Dishwashers
Obtain discharge volume in litres from manufacturer

A + B = Total volume of fixtures (relates to Net Volume of separators)



Where existing pipe invert levels dictate the need for dimension 'E' (see table below) to be site specific, please quote the required dimension.

Above ground separator has a smooth cover
plate and is supplied with height adjustable feet which increase dimension 'C' by 100 - 125mm.
Below ground separator has a non-slip cover plate (pedestrian duty) and is supplied without height adjustable feet.

Specials
In addition to the standard range of BLÜCHER Grease Separators purpose made units can be made to suit specific customer requirements.

Dosing Methods/Procedures
To operate properly BLÜCHER Grease Separators must be dosed regularly with a Liquid Digestion Media (LDM).
The actual dosing rate is determined by a number of factors (No. of meals, No. of discharge units, capacity of grease separator etc.) but daily dosing is generally considered suitable.
The LDM should be introduced manually or automatically (with an Automatic Dosing Unit) at the end of a shift/day.

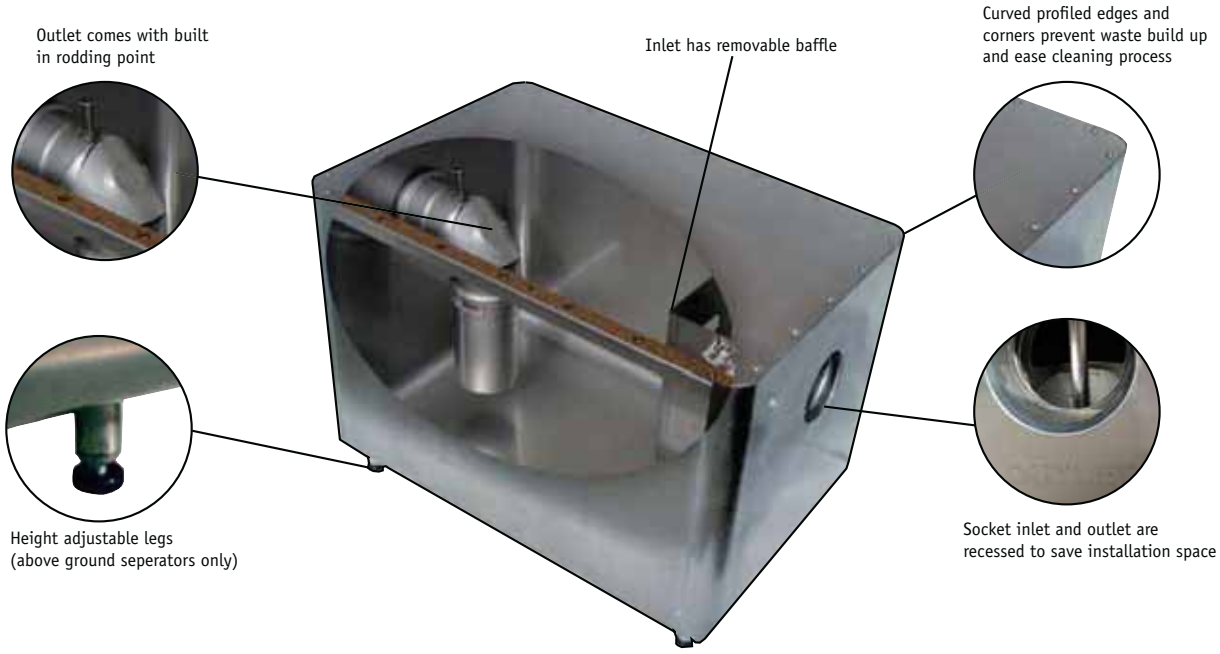
Manual Dosing – The LDM can be introduced via a sink which discharges into the grease separator and then flushed into the unit.

Automatic Dosing – The installation of an Automatic Dosing Unit (ADU) allows for optimum dosing by introducing LDM in a predetermined quantity at the most appropriate time of the day. Mains or battery operated ADU's are available.

Type No.	Model	Net Volume (litres)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)
970.070.110 AR	Above Ground (Mini)*	56	684	578	291	110	202
970.070.110 BR	Below Ground (Mini)	56	684	578	291	110	202
970.090.110 AR	Above Ground (Standard)*	113	756	506	502	110	357
970.090.110 BR	Below Ground (Standard)	113	756	506	502	110	357
970.135.110 AR	Above Ground (Midi)*	189	756	506	702	110	557
970.135.110 BR	Below Ground (Midi)	189	756	506	702	110	557
970.180.110 AR	Above Ground (Maxi)*	251	1006	506	702	110	557
970.180.110 BR	Below Ground (Maxi)	251	1006	506	702	110	557

* Above ground Grease Seperators come complete with height adjustable legs 100 - 125mm

With 40 years experience in the manufacture of stainless steel drainage products, BLÜCHER Grease Separators have been developed in co-operation with some of the leading authorities in the subject of environmental pollution control.



Effective Grease Control

BLÜCHER Grease Separators are a modern evolution of the traditional grease / fat trap which required emptying at least weekly. The theory behind BLÜCHER Grease Separators is that they should act as a point of treatment for a Liquid Digestion Media (LDM).
The digestion media can be introduced either manually or automatically.

How a BLÜCHER Grease Separator works

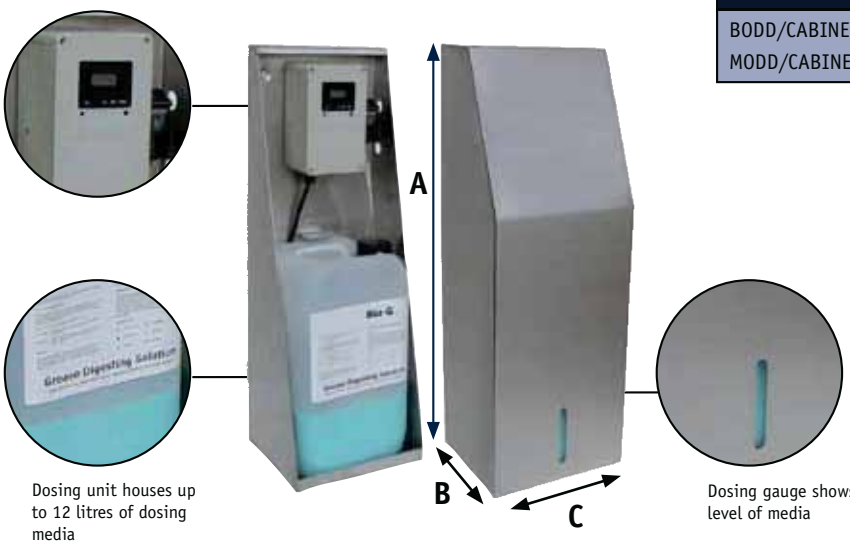
There are three stages within the operation of a biological grease separator:

Separation – Waste water from sinks, dishwashers etc. enters the separator where a series of baffles separate out the transported grease and oil. The fats are then retained within the separator while the water drains away.

Digestion – The Digestion Media is fed into the BLÜCHER Grease Separator and then converts the grease into harmless digestion products. This process reduces the need to empty the unit frequently, with servicing only required to remove the build up of sludge from food particles etc.

Removal – The harmless digestion products are carried away with subsequent waste water which passes through the unit.

Peristaltic pump can be supplied in either 12v or 240v format making siting simple



Type No.	Model	A (mm)	B (mm)	C (mm)
BODD/CABINET	12v battery	710	220	250
MODD/CABINET	240v mains	710	220	250

BLÜCHER®

BLÜCHER employs over 300 staff who, through commitment and know how have developed a range of high quality stainless steel drainage systems which are sold throughout the world.

For more information on you local supplier log on to www.blucher.com

BLÜCHER® EuroPipe

BLÜCHER® Channel

BLÜCHER® Drain

CS Grafisk . 2000.08.10 25014

KEEPING UP THE FLOW

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